| L Number | Hits | Search Text | DB | Time stamp |
|-------------|------|--|---|---------------------|
| 1 | 2 | 6617248.pn. | USPAT; EPO; JPO; DERWENT | 2004/03/11 14:40 |
| 2 | 4391 | reduc\$3 same ((metal\$2 adj organic) or organometallic or "metallo-organic" or (organo adj metallic)) and (reduc\$3 with ammonia or "nh.sub.3" or hydrogen or | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/11 15:05 |
| 3 | 1363 | "h.sub.2") reduc\$3 same ((metal\$2 adj organic) or organometallic or "metallo-organic" or (organo adj metallic)) same (reduc\$3 with ammonia or "nh.sub.3" or hydrogen or | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/11 15:08 |
| 4 | 421 | "h.sub.2") (reduc\$3 same ((metal\$2 adj organic) or organometallic or "metallo-organic" or (organo adj metallic)) same (reduc\$3 with ammonia or "nh.sub.3" or hydrogen or "h.sub.2")) not (titanium or platinum or pt or ti) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/11 15:06 |
| 5 | 393 | ((reduc\$3 same ((metal\$2 adj organic) or organometallic or "metallo-organic" or (organo adj metallic)) same (reduc\$3 with ammonia or "nh.sub.3" or hydrogen or "h.sub.2")) not (titanium or platinum or pt or ti)) and (@ad<20010816 or @rlad<20010816) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/11 15:07 |
| 6 | 43 | (((reduc\$3 same ((metal\$2 adj organic) or organometallic or "metallo-organic" or (organo adj metallic)) same (reduc\$3 with ammonia or "nh.sub.3" or hydrogen or "h.sub.2")) not (titanium or platinum or pt or ti)) and (@ad<20010816 or @rlad<20010816)) and 438/\$3.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/11 15:07 |
| 11 | 2 | 6143191.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/11 15:35 |
| 12 | 2 | 6294425.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/03/11 15:35 |
| - | 5706 | semiconductor and precursor and reduc\$3 and metal | USPAT; EPO; JPO; DERWENT | 2004/03/11 |
| - | 2588 | (semiconductor and precursor and reduc\$3 and metal) and (ruthenium rhodium iridium cobalt palladium platinum nickel) | USPAT; EPO; JPO; DERWENT | 2002/03/22 |
| - | 1296 | ((semiconductor and precursor and reduc\$3 and metal) and (ruthenium rhodium iridium cobalt palladium platinum nickel)) and | USPAT; EPO; JPO; DERWENT | 09:37 |
| _ | 985 | oxidi\$6 (((semiconductor and precursor and reduc\$3 and metal) and (ruthenium rhodium iridium cobalt palladium platinum nickel)) and oxidi\$6) and (titanium or tantalum or tungsten) | USPAT; EPO; JPO; DERWENT | 2002/03/22 09:39 |
| - | 292 | <pre>((((semiconductor and precursor and reduc\$3 and metal) and (ruthenium rhodium iridium cobalt palladium platinum nickel)) and oxidi\$6) and (titanium or tantalum or tungsten)) and capacitor</pre> | USPAT; EPO; JPO; DERWENT | 2002/03/22 09:40 |
| - | 216 | | USPAT; EPO; JPO; DERWENT | 2002/03/22 09:44 |

| - | 136 | reduc\$3 and metal) and (ruthenium rhodium | USPAT; EPO; JPO; | 2002/03/22 09:58 |
|---|--------|---|----------------------|---------------------|
| | | iridium cobalt palladium platinum | DERWENT | |
| | | nickel)) and oxidi\$6) and (titanium or tantalum or tungsten)) and capacitor) and | | |
| | | (metallo-organic or organic)) and carbon | | |
| - | 108 | ((((((semiconductor and precursor and | USPAT; | 2002/03/22 |
| | | reduc\$3 and metal) and (ruthenium rhodium | EPO; JPO; DERWENT | 09:59 |
| | | iridium cobalt palladium platinum nickel)) and oxidi\$6) and (titanium or | DEKWENI | |
| | | tantalum or tungsten)) and capacitor) and | i | |
| | | (metallo-organic or organic)) and carbon) | : | |
| _ | 686 | and electrode (metal\$2 adj organic) with precursor\$1 | USPAT; | 2002/05/08 |
| | | (| JPO; | 08:58 |
| | | | DERWENT | 0000 (07 (00 |
| _ | 730 | (metal\$2 adj organic) with precursor\$1 | USPAT; EPO; JPO; | 2002/05/08 |
| | | | DERWENT | |
| - | 8627 | reduc\$3 near3 (atmoshere or ambient) | USPAT; | 2002/05/08 |
| | | | EPO; JPO; DERWENT | 09:00 |
| _ | 45030 | reduc\$3 near3 (atmosphere or ambient) | USPAT; | 2002/05/08 |
| | | | EPO; JPO; | 09:00 |
| | 7 | ((metal\$2 adj organic) with precursor\$1) | DERWENT USPAT; | 2002/05/08 |
| _ | , | same (reduc\$3 near3 (atmosphere or | EPO; JPO; | 09:09 |
| | | ambient)) | DERWENT | |
| - | 142 | 438/686.ccls. | USPAT; EPO; JPO; | 2002/05/08 |
| | | | DERWENT | 09.10 |
| - | 3 | reduc\$3 and (metal\$2 adj precusor) | USPAT; | 2002/05/08 |
| | | | EPO; JPO; DERWENT | 09:26 |
| _ | 1880 | reduc\$3 and (metal\$2 adj organic) and | USPAT; | 2004/03/11 |
| | | precursor | EPO; JPO; | 15:02 |
| | 12 | 438/686.ccls. and (reduc\$3 and (metal\$2 | DERWENT USPAT; | 2002/05/08 |
| - | 12 | adj organic) and precursor) | EPO; JPO; | 09:27 |
| | | | DERWENT | 0000/05/00 |
| _ | 30248 | (reduc\$3 or ammonia or nh3) and ((metal\$2 adj organic) or organometallic or | USPAT; EPO; JPO; | 2002/05/08 11:01 |
| | | metallo-organic) | DERWENT | 11.01 |
| - | 6892 | (reduc\$3 or ammonia or nh3) same | USPAT; | 2002/05/08 |
| | | ((metal\$2 adj organic) or organometallic or metallo-organic) | EPO; JPO; DERWENT | 11:02 |
| _ | 4008 | ((reduc\$3 or ammonia or nh3) same | USPAT; | 2002/05/08 |
| | | ((metal\$2 adj organic) or organometallic | EPO; JPO; | 11:03 |
| | | or metallo-organic)) and (refractory or ti or tin or wn or w or tan or ta) | DERWENT | |
| _ | 1768 | (((reduc\$3 or ammonia or nh3) same | USPAT; | 2002/05/08 |
| | | ((metal\$2 adj organic) or organometallic | EPO; JPO; | 11:05 |
| | | or metallo-organic)) and (refractory or ti or tin or wn or w or tan or ta)) and | DERWENT | |
| | | (ruthenium or rhodium or iridium or | | |
| | _ | cobalt or palladium or nickel) | IICDAM. | 2002/03/26 |
| _ | 3 | 438/686.ccls. and ((((reduc\$3 or ammonia or nh3) same ((metal\$2 adj organic) or | USPAT; EPO; JPO; | 2003/03/26 |
| | | organometallic or metallo-organic)) and | DERWENT | |
| | | (refractory or ti or tin or wn or w or | | |
| | | tan or ta)) and (ruthenium or rhodium or iridium or cobalt or palladium or | | |
| | | nickel)) | | |
| - | 104491 | 438/\$3.ccls. | USPAT; EPO; JPO; | 2002/05/08 11:10 |
| | | | DERWENT | 11.10 |

| - | 56 | ((((reduc\$3 or ammonia or nh3) same ((metal\$2 adj organic) or organometallic | USPAT; EPO; JPO; | 2002/05/08 11:10 |
|---|------|--|---|---------------------|
| | | or metallo-organic)) and (refractory or ti or tin or wn or w or tan or ta)) and (ruthenium or rhodium or iridium or | DERWENT | |
| | | cobalt or palladium or nickel)) and 438/\$3.ccls. | | |
| _ | 33 | "5178911" | USPAT; JPO; | 2002/05/08 14:56 |
| - | 548 | mocvd with (reduc\$3 or h2 or hydrogen or nh3 or ammonia) | DERWENT USPAT; JPO; DERWENT | 2002/05/08 14:34 |
| _ | 144 | 438/\$3.ccls. and (mocvd with (reduc\$3 or h2 or hydrogen or nh3 or ammonia)) | USPAT; JPO; | 2002/05/08 14:36 |
| - | 13 | (438/\$3.ccls. and (mocvd with (reduc\$3 or h2 or hydrogen or nh3 or ammonia))) and | DERWENT USPAT; JPO; | 2002/05/08 14:47 |
| - | 27 | (refractory or noble) "5480684" | DERWENT USPAT; JPO; | 2002/05/08 14:47 |
| - | 1207 | westmoreland | DERWENT USPAT; JPO; DERWENT | 2002/05/08 14:56 |
| - | 477 | (nickel or ni) and (iridium or ir) and (cobalt or co) and (palladium or pd) and (platinum or pt) and capacitor | USPAT; EPO; JPO; DERWENT | 2002/05/15 |
| - | 111 | ((nickel or ni) and (iridium or ir) and (cobalt or co) and (palladium or pd) and (platinum or pt) and capacitor) and 438/\$3.ccls. and @ad<20010816 | USPAT; EPO; JPO; DERWENT | 2002/05/15 10:21 |
| - | 259 | (nickel or ni) same (iridium or ir) same (cobalt or co) same (palladium or pd) | USPAT; EPO; JPO; | 2002/05/15 11:31 |
| _ | 75 | same (platinum or pt) and capacitor ((nickel or ni) same (iridium or ir) same (cobalt or co) same (palladium or pd) same (platinum or pt) and capacitor) and | DERWENT USPÄT; EPO; JPO; DERWENT | 2002/05/15 13:04 |
| - | 84 | 438/\$3.ccls. and @ad<20010816 (nickel or ni) same (iridium or ir) same (cobalt or co) same (palladium or pd) same (platinum or pt) same electrode and | USPAT; EPO; JPO; DERWENT | 2002/05/15 11:35 |
| - | 32 | capacitor ((nickel or ni) same (iridium or ir) same (cobalt or co) same (palladium or pd) same (platinum or pt) same electrode and capacitor) and 438/\$3.ccls. and @ad<20010816 | USPAT; EPO; JPO; DERWENT | 2002/05/15 13:05 |
| - | 14 | "6074945" | USPAT; EPO; JPO; DERWENT | 2002/10/07 18:02 |
| _ | 12 | ("5130172" "5314727" "5352488" "5372849" "5392189" "5510651" "5520992" "5555486" "5561307" | USPAT | 2002/10/07 16:23 |
| - | 12 | "5566045" "5581436" "5763633").PN. ("5130172" "5314727" "5352488" "5372849" "5392189" "5510651" "5520992" "5555486" "5561307" "5566045" "5581436" "5763633").PN. | USPAT | 2002/10/07 16:32 |
| - | 11 | 6074945.URPN. | USPAT | 2002/10/07 17:33 |
| - | 142 | (reducing with atmosphere) and ((metal or metallo) with organic with precursor) | USPAT; EPO; JPO; DERWENT | 2002/10/07 |
| - | 88 | ((reducing with atmosphere) and ((metal or metallo) with organic with precursor)) and (rhodium or iridium or cobalt or | USPAT; EPO; JPO; DERWENT | 2002/10/07 18:35 |
| I | I | palladium or nickel) | I | <u> </u> |

| - | 88 | (((reducing with atmosphere) and ((metal | USPAT; | 2002/10/08 |
|----------|-------------|---|----------------------|---------------------|
| | | or metallo) with organic with precursor)) and (rhodium or iridium or cobalt or | EPO; JPO; DERWENT | 13:16 |
| | | and (rhodium of iffdium of copart of palladium or nickel)) not (micron adj | DERWENT | |
| | | technology).asn. | | |
| - | 20 | ((reducing with atmosphere) and ((metal | USPAT; | 2002/10/07 |
| | | or metallo) with organic with precursor)) | EPO; JPO; | 18:35 |
| | | and iridium | DERWENT | 0000 (10 (00 |
| - | 204 | (metal with precursor\$1) and (reducing | USPAT; | 2002/10/08 |
| | | with atmosphere) and (ti or tan or ta or wn or w) and barrier | EPO; JPO; DERWENT | 13:19 |
| _ | 129 | ((metal with precursor\$1) and (reducing | USPAT; | 2002/10/08 |
| | | with atmosphere) and (ti or tan or ta or | EPO; JPO; | 13:20 |
| | | wn or w) and barrier) and (rhodium or | DERWENT | |
| | | iridium or palladium or cobalt) | | |
| - | 76 | (((metal with precursor\$1) and (reducing | USPAT; | 2002/10/08 |
| | | with atmosphere) and (ti or tan or ta or wn or w) and barrier) and (rhodium or | EPO; JPO; DERWENT | 13:21 |
| | | iridium or palladium or cobalt)) and | DERWENT | |
| | | (hydrogen or "h.sub.2") | | |
| - | 75 | ((((metal with precursor\$1) and (reducing | USPAT; | 2002/10/08 |
| | | with atmosphere) and (ti or tan or ta or | EPO; JPO; | 13:22 |
| | | wn or w) and barrier) and (rhodium or | DERWENT | |
| | | iridium or palladium or cobalt)) and | | |
| 1_ | 4 | (hydrogen or "h.sub.2")) and @ad<20010816 ((((metal with precursor\$1) and | USPAT; | 2002/10/08 |
| _ | " | (((((metal with precursors)) and (ti or tan | EPO; JPO; | 13:22 |
| | | or ta or wn or w) and barrier) and | DERWENT | |
| | | (rhodium or iridium or palladium or | | |
| | | cobalt)) and (hydrogen or "h.sub.2")) and | | |
| | _ | @ad<20010816) and (metallo adj organic) | | 2002/10/00 |
| _ | 7 | reducing same (tdeat or tdmat) same metal | USPAT; EPO; JPO; | 2002/10/08 14:01 |
| | | | DERWENT | 14.01 |
| _ | 23740 | ((rhodium or rh) or (iridium or ir) or | USPAT; | 2002/10/31 |
| | | (cobalt or co) or (palladium or pd) or | EPO; JPO; | 11:17 |
| i | | (nickel or ni)) same (reduc\$3 with (gas | DERWENT | |
| | | or atmosphere)) | | 2000/10/01 |
| - | 0 | (((rhodium or rh) or (iridium or ir) or | USPAT; | 2002/10/31 11:18 |
| | | (cobalt or co) or (palladium or pd) or (nickel or ni)) same (reduc\$3 with (gas | EPO; JPO; DERWENT | 11:10 |
| | | or atmosphere))) and ("h.sub.2" or | DEKWENT | |
| | | hydrogen) and metallo?lorganic | | |
| _ | 11630 | (((rhodium or rh) or (iridium or ir) or | USPAT; | 2002/10/31 |
| | | (cobalt or co) or (palladium or pd) or | EPO; JPO; | 11:22 |
| | | (nickel or ni)) same (reduc\$3 with (gas | DERWENT | |
| | | or atmosphere))) and ("h.sub.2" or hydrogen) | | |
| _ | 2002178 | nydrogen; ((titanium adj nitride) or titanium) or | USPAT; | 2002/11/01 |
| | | ((tungsten adj nitride) or w) or | EPO; JPO; | 13:34 |
| | | ((tantalum adj nitride) or ta) | DERWENT | |
| - | 5644 | ((((rhodium or rh) or (iridium or ir) or | USPAT; | 2002/10/31 |
| | | (cobalt or co) or (palladium or pd) or | EPO; JPO; DERWENT | 11:22 |
| | | (nickel or ni)) same (reduc\$3 with (gas or atmosphere))) and ("h.sub.2" or | DEKMENI | |
| | | hydrogen)) and (((titanium adj nitride) | • | |
| | | or titanium) or ((tungsten adj nitride) | | |
| | | or w) or ((tantalum adj nitride) or ta)) | | |
| _ | 7451 | (((rhodium or rh) or (iridium or ir) or | USPAT; | 2002/10/31 |
| | | (cobalt or co) or (palladium or pd) or | EPO; JPO; | 11:26 |
| ŀ | | <pre>(nickel or ni)) same (reduc\$3 with (gas or atmosphere))) same ("h.sub.2" or</pre> | DERWENT | |
| | | hydrogen) | | |
| _ | 3503 | (((titanium adj nitride) or titanium) or | USPAT; | 2002/10/31 |
| | | ((tungsten adj nitride) or w) or | EPO; JPO; | 11:22 |
| | | ((tantalum adj nitride) or ta)) and | DERWENT | |
| | | ((((rhodium or rh) or (iridium or ir) or | | |
| | | (cobalt or co) or (palladium or pd) or (nickel or ni)) same (reduc\$3 with (gas | | |
| | | or atmosphere))) same ("h.sub.2" or | | |
| 1 | | hydrogen)) | | |
| L | | | · | · |

| | | | | 1 2 2 2 1 2 1 2 2 |
|-----|----------|--|--------------|---------------------|
| - | 449 | (((titanium adj nitride) or titanium) or | USPAT; | 2002/10/31 |
| | | ((tungsten adj nitride) or w) or | EPO; JPO; | 11:23 |
| | | ((tantalum adj nitride) or ta)) same | DERWENT | |
| 1 | | ((((rhodium or rh) or (iridium or ir) or | | |
| | | (cobalt or co) or (palladium or pd) or | | |
| | | (nickel or ni)) same (reduc\$3 with (gas | | |
| | | or atmosphere))) same ("h.sub.2" or | | |
| | 071 | hydrogen)) | ************ | 0000 /10 /21 |
| - | 271 | ((((titanium adj nitride) or titanium) or | USPAT; | 2002/10/31 |
| 1 | | ((tungsten adj nitride) or w) or | EPO; JPO; | 11:24 |
| | | ((tantalum adj nitride) or ta)) same | DERWENT | |
| 1 | | ((((rhodium or rh) or (iridium or ir) or (cobalt or co) or (palladium or pd) or | | |
| | | (cobait of co) of (partadium of pa) of | | |
| | | (nickel or ni)) same (reduc\$3 with (gas | | |
| | | or atmosphere))) same ("h.sub.2" or | | |
| | 5 | hydrogen))) not (platinum or pt) | USPAT; | 2002/10/31 |
| - | ا | (((((titanium adj nitride) or titanium) or ((tungsten adj nitride) or w) or | EPO; JPO; | 11:24 |
| | | ((tantalum adj nitride) or ta)) same | DERWENT | 11.24 |
| | | ((((rhodium or rh) or (iridium or ir) or | DEKMENT | |
| | | (cobalt or co) or (palladium or pd) or | | |
| | | (nickel or ni)) same (reduc\$3 with (gas | | |
| | | or atmosphere))) same ("h.sub.2" or | • | |
| | | hydrogen))) not (platinum or pt)) and | | |
| | | 438/\$3.ccls. | | |
| _ | 821 | (((rhodium or rh) or (iridium or ir) or | USPAT; | 2002/10/31 |
| | | (cobalt or co) or (palladium or pd) or | EPO; JPO; | 11:27 |
| | | (nickel or ni)) same (reduc\$3 with (gas | DERWENT | |
| | ; | or atmosphere))) same ("h.sub.2" or | | |
| | | hydrogen) same (deposit\$3 or releas\$3) | 1 | |
| - | 98 | (((titanium adj nitride) or titanium) or | USPAT; | 2002/10/31 |
| | | ((tungsten adj nitride) or w) or | EPO; JPO; | 13:51 |
| | 1 | ((tantalum adj nitride) or ta)) same | DERWENT | |
| | | ((((rhodium or rh) or (iridium or ir) or | | |
| 1 | ŀ | (cobalt or co) or (palladium or pd) or | | |
| | | (nickel or ni)) same (reduc\$3 with (gas | | |
| | | or atmosphere))) same ("h.sub.2" or | | |
| | 1 | hydrogen) same (deposit\$3 or releas\$3)) | | 0000/10/21 |
| _ | 11 | ("3830657" "5084413" "5087296" | USPAT | 2002/10/31 11:56 |
| | } | "5094697" "5112773" "5177569" "5198389" "5254481" "5445982" | | 11:56 |
| | j | "5198389" "5254481" "5445982" "5554566" "5705845").PN. | | |
| | o | (("3830657" "5084413" "5087296" | USPAT; | 2002/10/31 |
| | Ĭ | "5094697" "5112773" "5177569" | EPO; JPO; | 11:57 |
| | | "5198389" "5254481" "5445982" | DERWENT | [|
| | | "5554566" "5705845").PN.) and | | |
| | | ((((rhodium or rh) or (iridium or ir) or | | |
| | | (cobalt or co) or (palladium or pd) or | | |
| | | (nickel or ni)) same (reduc\$3 with (gas | | |
| | [| or atmosphere))) same ("h.sub.2" or | | |
| | [| hydrogen) same (deposit\$3 or releas\$3)) | | |
| - | 7 | (("3830657" "5084413" "5087296" | USPAT; | 2002/10/31 |
| | | "5094697" "5112773" "5177569" | EPO; JPO; | 11:58 |
| | 1 | "5198389" "5254481" "5445982" | DERWENT | |
| | | "5554566" "5705845").PN.) and | | |
| |] | (((titanium adj nitride) or titanium) or | | |
| - | | ((tungsten adj nitride) or w) or | | |
| I _ | 0 | ((tantalum adj nitride) or ta)) (("3830657" "5084413" "5087296" | USPAT; | 2002/10/31 |
| I - | " | (\(\) 3830657" \(\) 5084413" \(\) 5087296" \(\) \(\) 5094697" \(\) 5112773" \(\) 5177569" | EPO; JPO; | 11:58 |
| |] | "5198389" "5254481" "5445982" | DERWENT | **** |
| | | "5554566" "5705845").PN.) and | PEKWENT | |
| | | (((rhodium or rh) or (iridium or ir) or | | |
| | | (cobalt or co) or (palladium or pd) or | | |
| | | (nickel or ni)) same (reduc\$3 with (gas | | |
| | | or atmosphere))) | | |
| - | 2 | 5668040.pn. | USPAT; | 2002/10/31 |
| | | - | EPO; JPO; | 13:51 |
| L | <u> </u> | | DERWENT | |

| - | 11 | ("4959745" "5053917" "5191510" | USPAT | 2002/10/31 |
|-----|------|---|-----------|------------|
| | | "5262920" "5293510" "5352623" | | 13:52 |
| | | "5366920" "5381302" "5382817" | | |
| 1 | | "5392189" "5466629").PN. | | |
| - | 2 | 5856236.pn. | USPAT; | 2002/11/01 |
| | | | EPO; JPO; | 13:20 |
| | | · | DERWENT | |
| - | 11 | ("h.sub.2" or hydrogen) same (metallo | USPAT; | 2002/11/01 |
| | | near2 organic) same (((titanium adj | EPO; JPO; | 13:38 |
| | | nitride) or titanium) or ((tungsten adj | DERWENT | |
| | | nitride) or w) or ((tantalum adj nitride) | | |
| | | or ta)) | | |
| _ | 12 | (ir or rh or pd or ni or co) same | USPAT; | 2002/11/01 |
| | | (metallo near2 organic) same (((titanium | EPO; JPO; | 13:39 |
| i i | | adj nitride) or titanium) or ((tungsten | DERWENT | |
| 1 | | adj nitride) or w) or ((tantalum adj | - | |
| | | nitride) or ta)) | | |
| - | 2 | 5130172.pn. | USPAT; | 2002/12/10 |
| | | • | EPO; JPO; | 15:58 |
| | | | DERWENT | |
| - | 2 | 5856236.pn. | USPAT; | 2002/12/10 |
| 1 | _ | • | EPO; JPO; | 15:58 |
| 1 | | | DERWENT | |
| _ | 3387 | @ad<20010816 and ((((reduc\$3 or ammonia | USPAT; | 2003/08/01 |
| | | or "nh.sub.3" or hydrogen or "h.sub.2") | US-PGPUB; | 17:15 |
| | | same ((metal\$2 adj organic) or | EPO; JPO; | |
| | | organometallic or metallo-organic)) and | DERWENT | 1 |
| | : | (refractory or ti or tin or wn or w or | | 1 |
| | | tan or ta)) and (ruthenium or rhodium or | | |
| | | iridium or cobalt or palladium or | | |
| | | nickel)) | | |
| _ | 9 | l '' | USPAT; | 2003/03/26 |
| | | or "nh.sub.3" or hydrogen or "h.sub.2") | US-PGPUB; | 12:58 |
| | | same ((metal\$2 adj organic) or | EPO; JPO; | |
| | | organometallic or metallo-organic)) and | DERWENT | |
| | | (refractory or ti or tin or wn or w or | | |
| | | tan or ta)) and (ruthenium or rhodium or | İ | |
| | | iridium or cobalt or palladium or |] | |
| | 1 | nickel))) and 438/681.ccls. | | į į |
| - | 41 | (@ad<20010816 and ((((reduc\$3 or ammonia | USPAT; | 2003/03/26 |
| | | or "nh.sub.3" or hydrogen or "h.sub.2") | US-PGPUB; | 13:06 |
| | | same ((metal\$2 adj organic) or | EPO; JPO; | |
| | | organometallic or metallo-organic)) and | DERWENT | |
| | | (refractory or ti or tin or wn or w or | 1 | |
| | | tan or ta)) and (ruthenium or rhodium or | 1 | |
| | | iridium or cobalt or palladium or | | |
| | | nickel))) and ((etch\$3 or pattern\$3 or | | 1 |
| | | photolithography) with (organometallic or | | |
| | | (metal\$2 adj organic))) | | |
| 1 - | 333 | @ad<20010816 and ((((reduc\$3 or ammonia | USPAT; | 2003/08/01 |
| | | or "nh.sub.3" or hydrogen or "h.sub.2") | US-PGPUB; | 17:47 |
| | | same ((metal\$2 adj organic) or | EPO; JPO; | |
| 1 | | organometallic or metallo-organic)) same | DERWENT | |
| | | (refractory or ti or tin or wn or w or | | |
| | ł | tan or ta)) same (ruthenium or rhodium or | 1 | |
| | 1 | iridium or cobalt or palladium or | | |
| | 1 | nickel)) | | |
| - | 3 | l | USPAT; | 2003/08/01 |
| | 1 | or "nh.sub.3" or hydrogen or "h.sub.2") | US-PGPUB; | 17:31 |
| | | same ((metal\$2 adj organic) or | EPO; JPO; | |
| | | organometallic or metallo-organic)) same | DERWENT | |
| | | (refractory or ti or tin or wn or w or | | |
| | | tan or ta)) same (ruthenium or rhodium or | | |
| | | iridium or cobalt or palladium or | | _ |
| | | nickel))) and electrode and capacitor | | <u> </u> |
| | | | | |

| - | 31 | (@ad<20010816 and ((((reduc\$3 or ammonia | USPAT; | 2003/08/01 |
|---|-----|--|-----------|------------|
| | | or "nh.sub.3" or hydrogen or "h.sub.2") | US-PGPUB; | 17:34 |
| | | same ((metal\$2 adj organic) or | EPO; JPO; | |
| | | organometallic or metallo-organic)) same | DERWENT | |
| | | (refractory or ti or tin or wn or w or | | |
| | | tan or ta)) same (ruthenium or rhodium or | | |
| | | iridium or cobalt or palladium or | | |
| | | nickel))) and electrode | | |
| - | 90 | | USPAT; | 2003/08/01 |
| | | or "nh.sub.3" or hydrogen or "h.sub.2") | US-PGPUB; | 17:45 |
| | | same ((metal\$2 adj organic) or | EPO; JPO; | |
| | | organometallic or metallo-organic)) same | DERWENT | |
| | | (refractory or ti or wn or w or tan or | | |
| | j | ta)) same (ruthenium or rhodium or | | |
| | | iridium or cobalt or palladium or | | 1 |
| | i | nickel)) | | |
| - | 17 | (@ad<20010816 and ((((reduc\$3 or ammonia | USPAT; | 2003/08/01 |
| | | or "nh.sub.3" or hydrogen or "h.sub.2") | US-PGPUB; | 17:34 |
| | 1 | same ((metal\$2 adj organic) or | EPO; JPO; | |
| | 1 | organometallic or metallo-organic)) same | DERWENT | |
| | | (refractory or ti or wn or w or tan or | | |
| | | ta)) same (ruthenium or rhodium or | | |
| | | iridium or cobalt or palladium or | | |
| | | nickel))) and electrode | | |
| - | 257 | ((reduc\$3 adj atmosphere) or ammonia or | USPAT; | 2003/08/01 |
| | | "nh.sub.3" or hydrogen or "h.sub.2") with | US-PGPUB; | 17:46 |
| | | ((metal\$2 adj organic) or organometallic | EPO; JPO; | |
| İ | | or metallo-organic) with precursor | DERWENT | |
| _ | 218 | (((reduc\$3 adj atmosphere) or ammonia or | USPAT; | 2003/08/01 |
| | | "nh.sub.3" or hydrogen or "h.sub.2") with | US-PGPUB; | 17:48 |
| | İ | ((metal\$2 adj organic) or organometallic | EPO; JPO; | |
| | | or metallo-organic) with precursor) and | DERWENT | |
| | | @ad<20010816 | | |
| - | 47 | (((reduc\$3 adj atmosphere) or ammonia or | USPAT; | 2003/08/01 |
| | | "nh.sub.3" or hydrogen or "h.sub.2") with | US-PGPUB; | 18:37 |
| | | ((metal\$2 adj organic) or organometallic | EPO; JPO; | |
| | | or metallo-organic) with precursor) same | DERWENT | |
| | | (refractory or ti or wn or w or tan or | | |
| | | ta) | | |
| - | 42 | ((((reduc\$3 adj atmosphere) or ammonia or | USPAT; | 2003/08/01 |
| | | "nh.sub.3" or hydrogen or "h.sub.2") with | US-PGPUB; | 17:48 |
| | | ((metal\$2 adj organic) or organometallic | EPO; JPO; | |
| | | or metallo-organic) with precursor) same | DERWENT | |
| | | (refractory or ti or wn or w or tan or | | |
| | | ta)) and @ad<20010816 | | |
| - | 26 | | USPAT; | 2003/08/04 |
| | | "nh.sub.3" or hydrogen or "h.sub.2") with | US-PGPUB; | 11:12 |
| | | ((metal\$2 adj organic) or organometallic | EPO; JPO; | 1 |
| | | or metallo-organic) with precursor) same | DERWENT | |
| | | ((tantalum tungsten titanium) adj | | |
| | | nitride) | | |
| - | 24 | | USPAT; | 2003/08/04 |
| 1 | 1 | "nh.sub.3" or hydrogen or "h.sub.2") with | US-PGPUB; | 11:13 |
| 1 | | ((metal\$2 adj organic) or organometallic | EPO; JPO; | |
| | 1 | or metallo-organic) with precursor) same | DERWENT | |
| | | ((tantalum tungsten titanium) adj | | |
| | | nitride)) and @ad<20010816 | | |